

Data File : VU035856.D
Acq On : 26 Nov 2019 14:27
Operator : JC/SP
Sample : K5992-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF6

Quant Time: Nov 27 01:22:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 01:18:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	218551	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	253379	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	155185	5.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.80%
7) Chloroethane-d5	1.93	69	134167	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.59	63	183163	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.69	46	345221	52.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.50%
24) Chloroform-d	5.11	84	246595	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	136438	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.77	84	459172	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.74	67	160141	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	359684	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.22	79	52843	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.68	63	257270	50.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.00%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	127084	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	109106	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

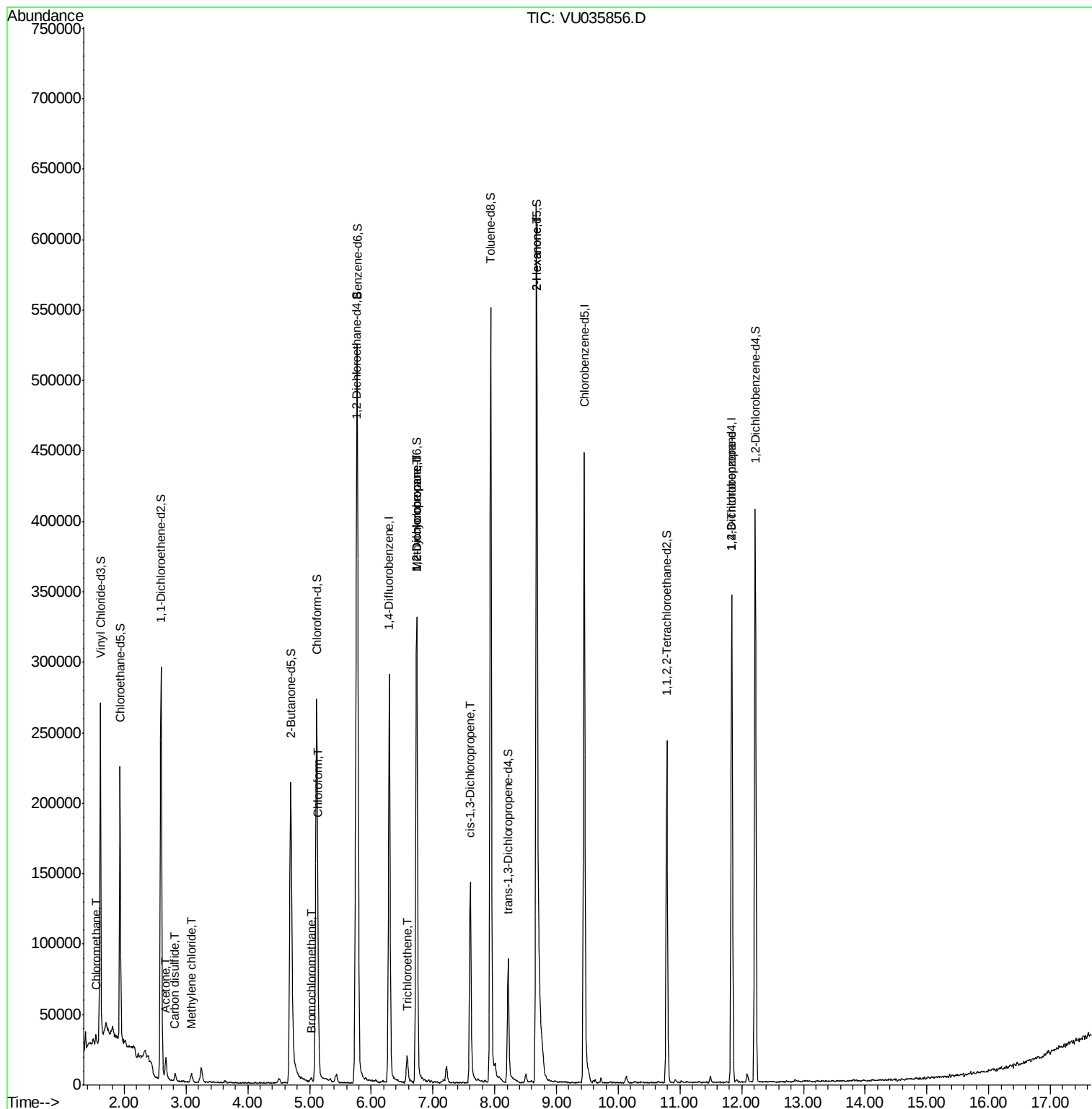
					Qvalue
3) Chloromethane	1.54	50	4383	0.120 ug/L	88
13) Acetone	2.67	43	18932	3.263 ug/L	93
14) Carbon disulfide	2.82	76	6623	0.088 ug/L #	83
16) Methylene chloride	3.08	84	2743	0.100 ug/L #	72
23) Bromochloromethane	5.02	128	772	0.071 ug/L	79
25) Chloroform	5.14	83	25141	0.514 ug/L	97
34) Trichloroethene	6.58	95	5770	0.223 ug/L	98
35) Methylcyclohexane	6.74	83	34579	0.909 ug/L #	14
37) 1,2-Dichloropropane	6.73	63	16472	0.549 ug/L #	90
39) cis-1,3-Dichloropropene	7.60	75	3331	0.086 ug/L #	60
48) 2-Hexanone	8.68	43	29838	2.201 ug/L #	73
59) 1,2,3-Trichloropropane	11.84	75	13424	0.688 ug/L	92

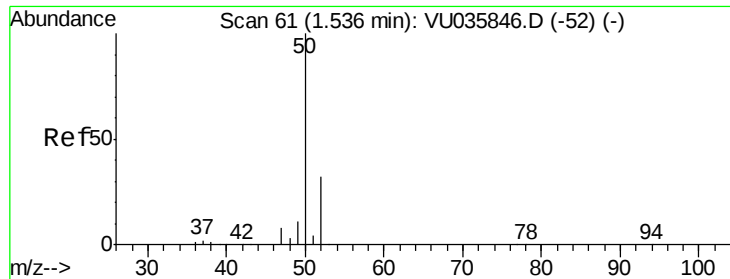
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.120 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035856.D

Acq: 26 Nov 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

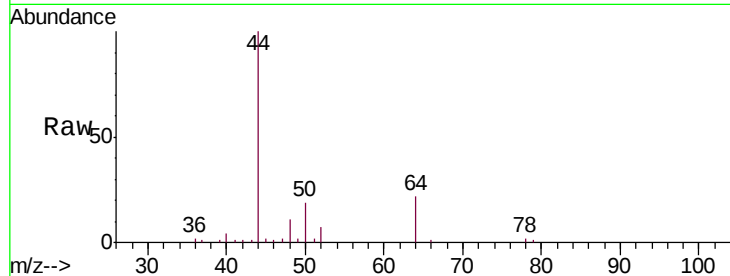
GARF6

Tgt Ion: 50 Resp: 4383

Ion Ratio Lower Upper

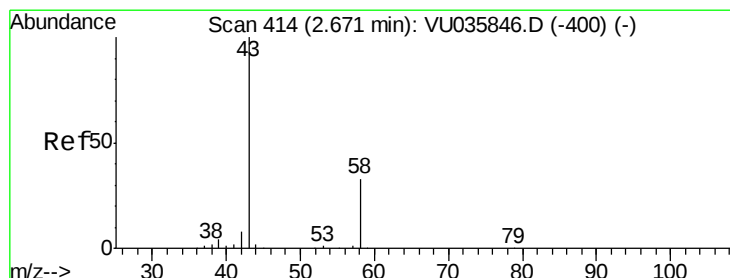
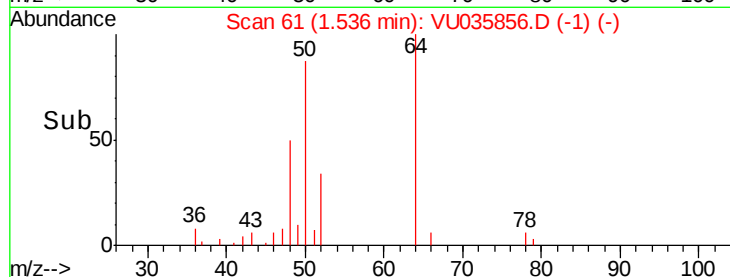
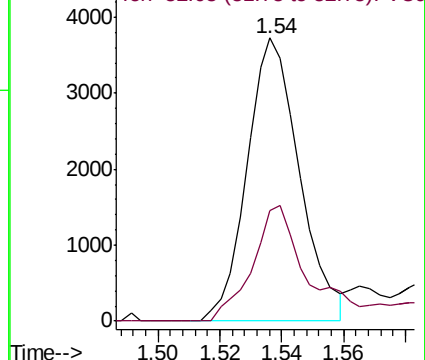
50 100

52 39.1 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035856.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035856.D (-52) (-)



#13

Acetone

Concen: 3.263 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035856.D

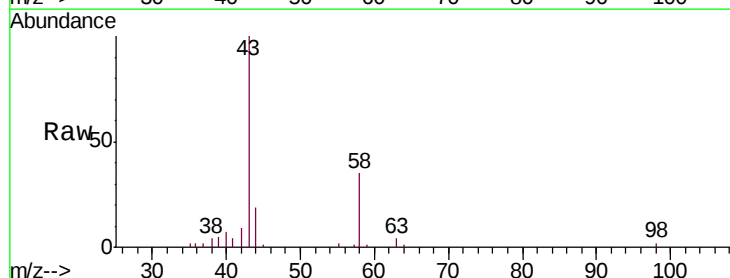
Acq: 26 Nov 2019 14:27

Tgt Ion: 43 Resp: 18932

Ion Ratio Lower Upper

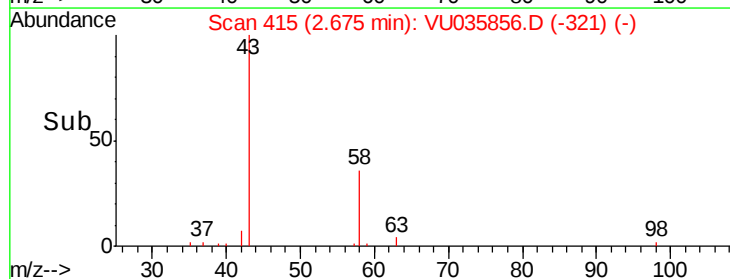
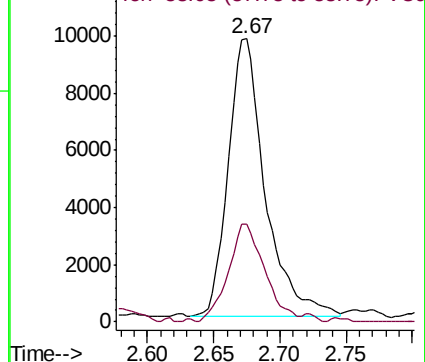
43 100

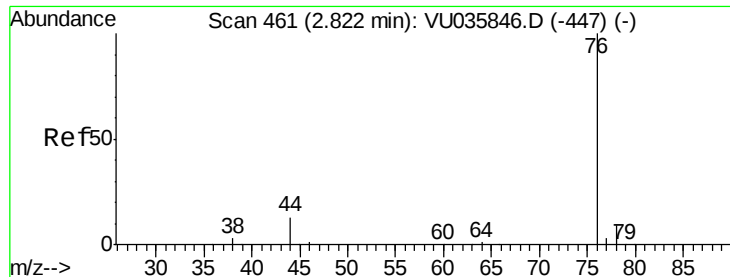
58 34.6 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035856.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035856.D (-400) (-)





#14

Carbon disulfide

Concen: 0.088 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035856.D

Acq: 26 Nov 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

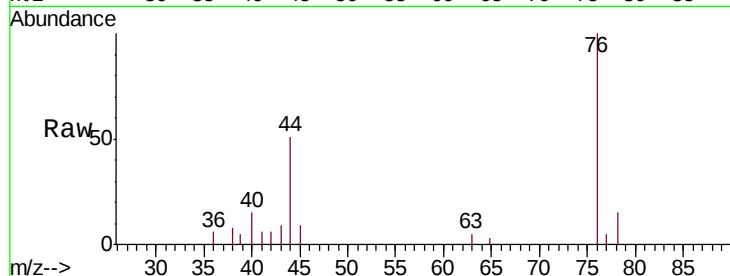
GARF6

Tgt Ion: 76 Resp: 6623

Ion Ratio Lower Upper

76 100

78 15.2 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU035846.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035846.D (-447) (-)

2.82

3000

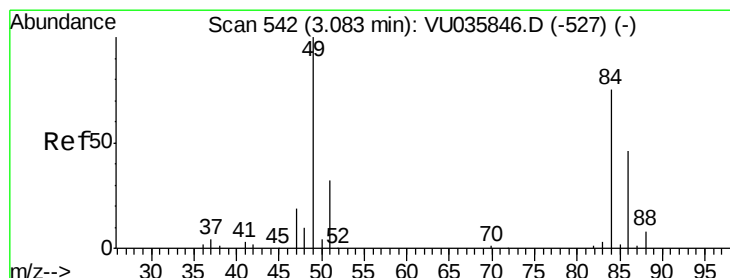
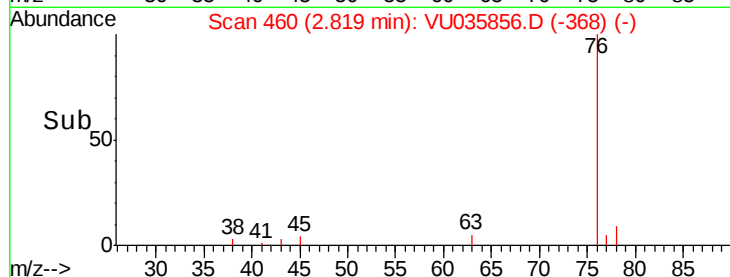
2000

1000

0

2.80 2.85

Time-->



#16

Methylene chloride

Concen: 0.100 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035856.D

Acq: 26 Nov 2019 14:27

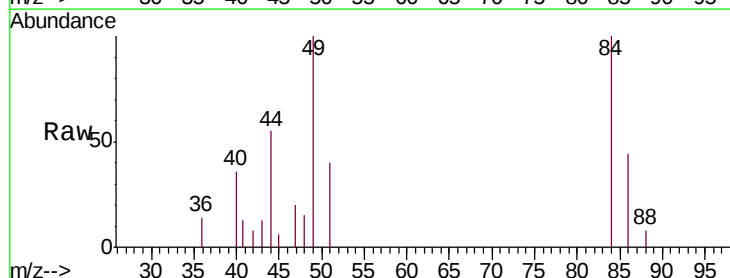
Tgt Ion: 84 Resp: 2743

Ion Ratio Lower Upper

84 100

86 43.8 44.4 82.5#

49 100.0 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035846.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035846.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035846.D (-527) (-)

3.08

2000

1500

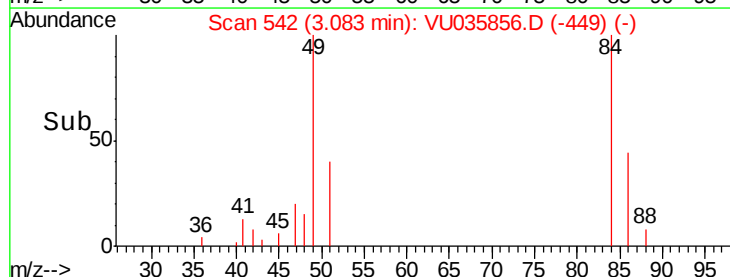
1000

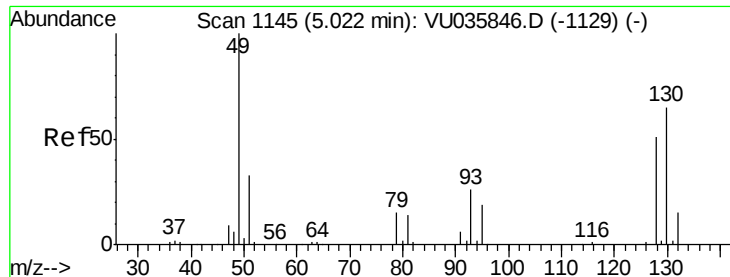
500

0

3.05 3.10

Time-->





#23

Bromochloromethane

Concen: 0.071 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035856.D

Acq: 26 Nov 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

GARF6

Tgt Ion:128 Resp: 772

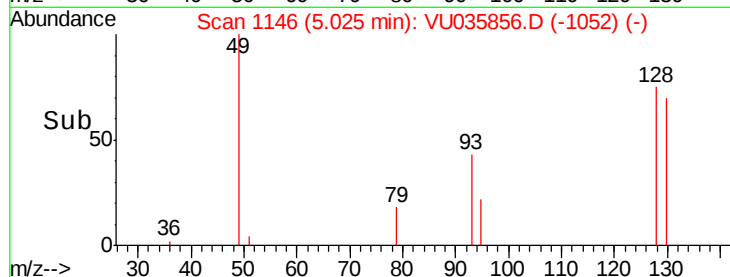
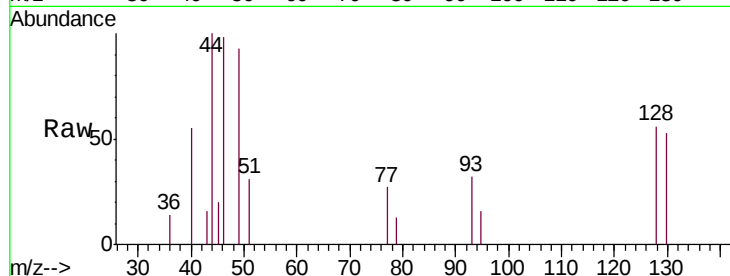
Ion Ratio Lower Upper

128 100

49 164.5 133.8 248.6

130 93.6 91.1 169.1

51 54.8 46.5 69.7

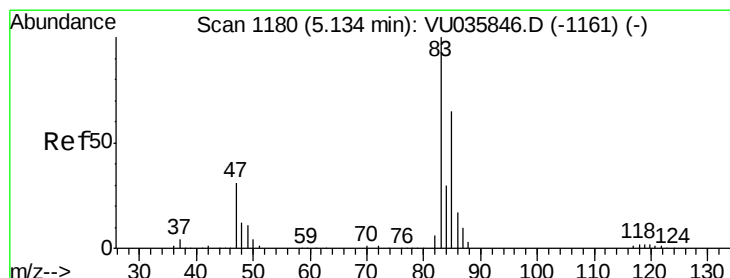
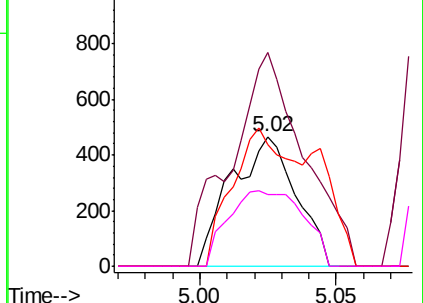


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 0.514 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VU035856.D

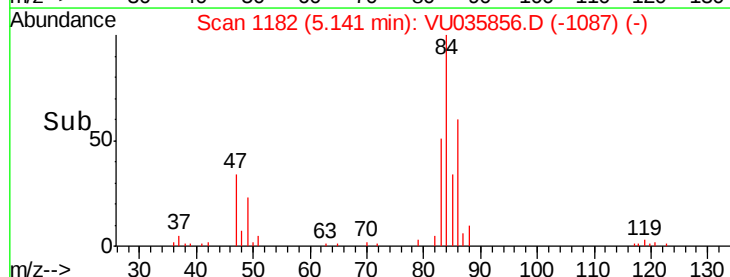
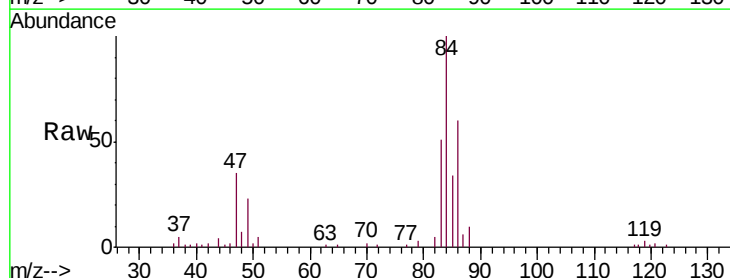
Acq: 26 Nov 2019 14:27

Tgt Ion: 83 Resp: 25141

Ion Ratio Lower Upper

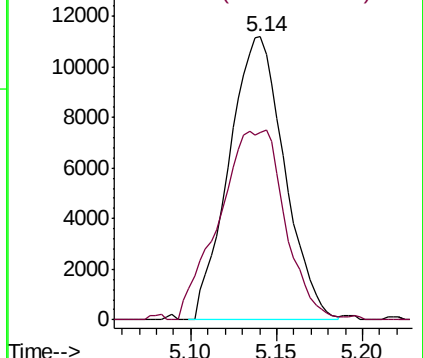
83 100

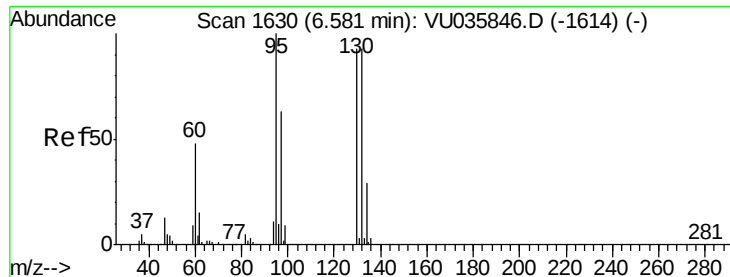
85 66.1 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.223 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU035856.D

Acq: 26 Nov 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

GARF6

Tgt Ion: 95 Resp: 5770

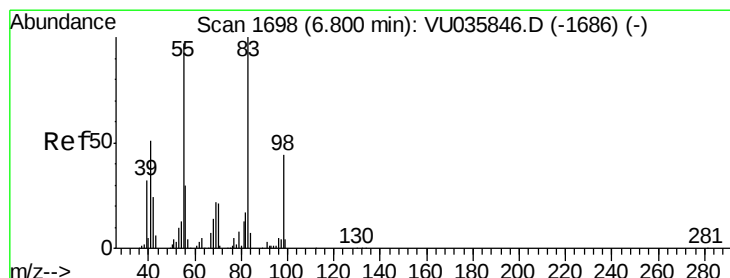
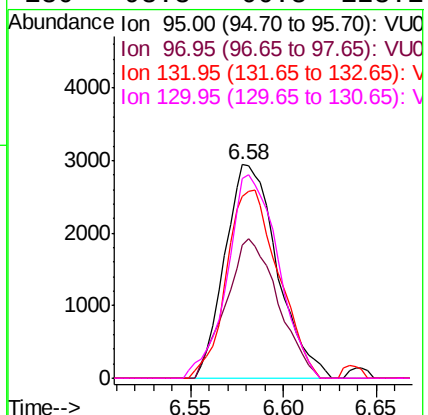
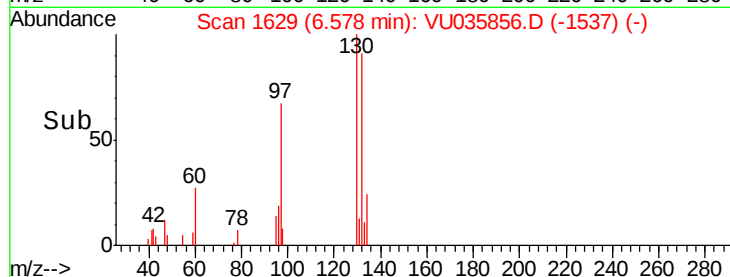
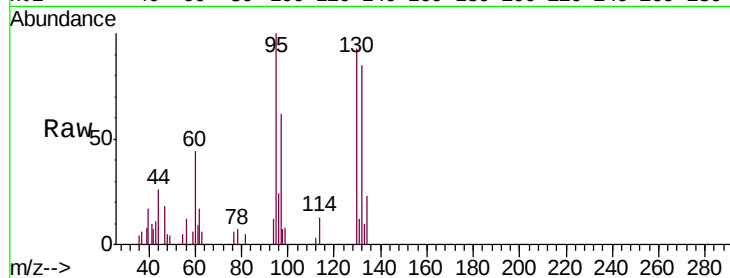
Ion Ratio Lower Upper

95 100

97 62.4 45.1 83.9

132 85.2 61.9 114.9

130 93.3 66.3 123.1



#35

Methylcyclohexane

Concen: 0.909 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035856.D

Acq: 26 Nov 2019 14:27

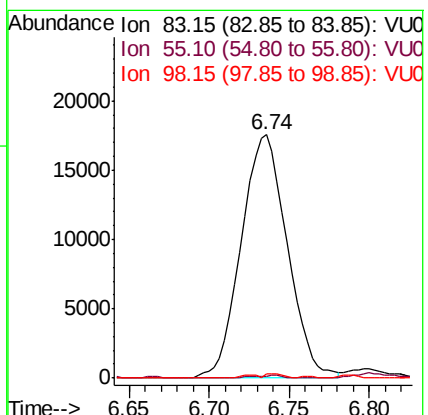
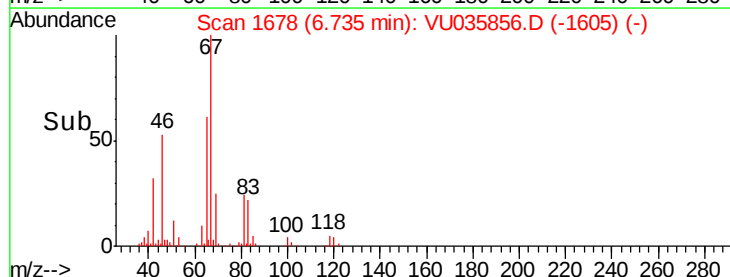
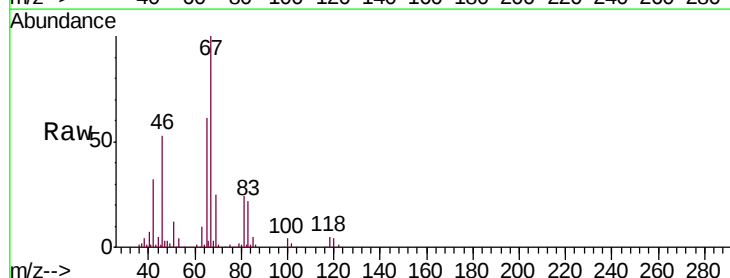
Tgt Ion: 83 Resp: 34579

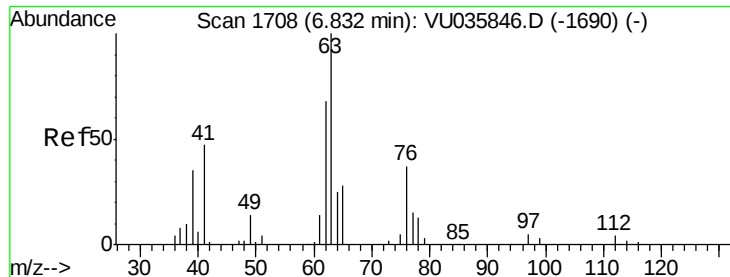
Ion Ratio Lower Upper

83 100

55 0.7 72.7 109.1#

98 0.7 36.2 54.4#

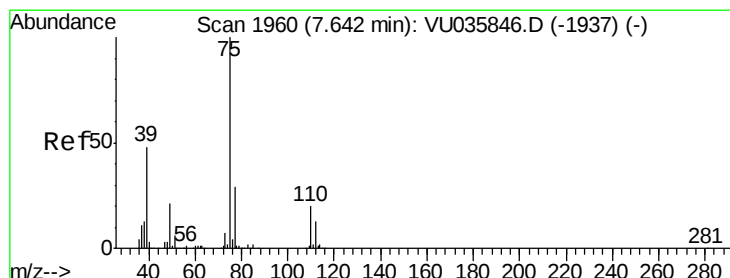
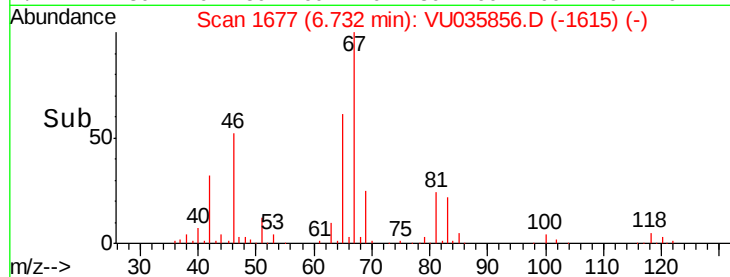
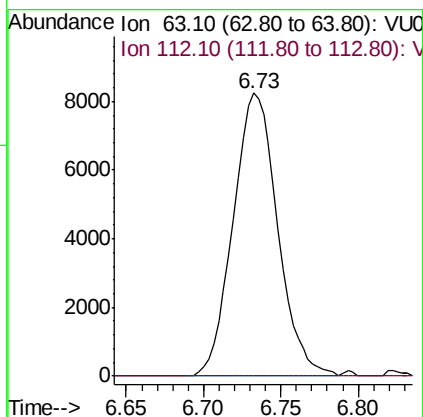
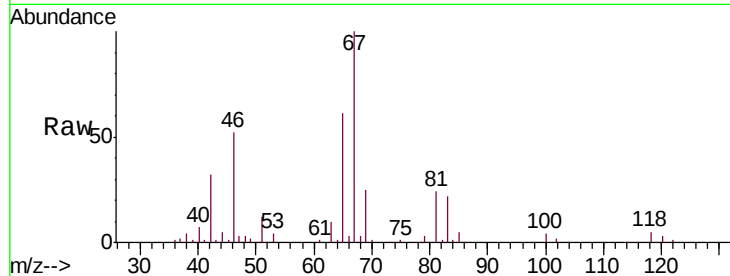




#37
 1,2-Dichloropropane
 Concen: 0.549 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035856.D
 Acq: 26 Nov 2019 14:27

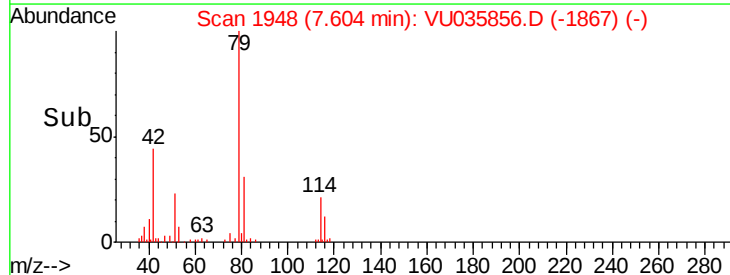
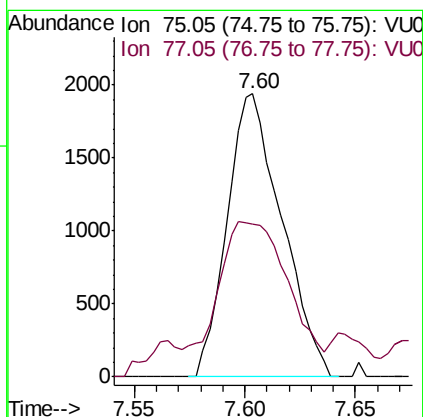
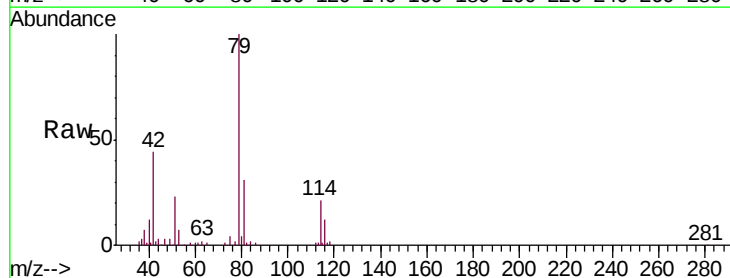
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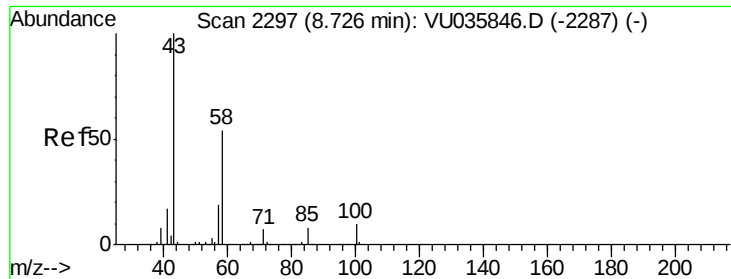
Tgt Ion: 63 Resp: 16472
 Ion Ratio Lower Upper
 63 100
 112 0.2 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035856.D
 Acq: 26 Nov 2019 14:27

Tgt Ion: 75 Resp: 3331
 Ion Ratio Lower Upper
 75 100
 77 54.0 22.1 41.1#

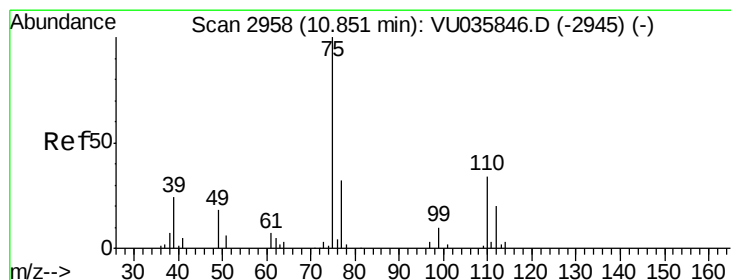
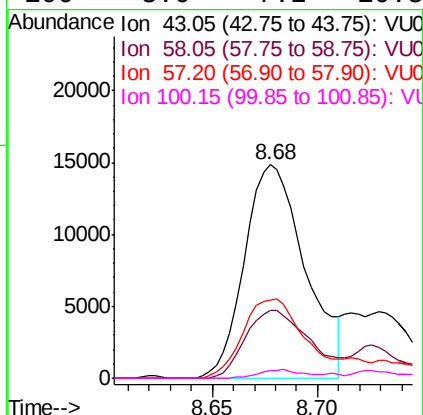
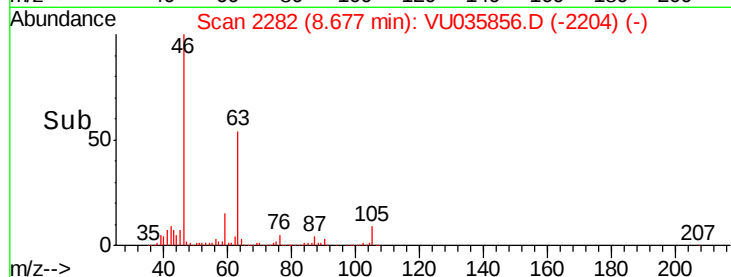
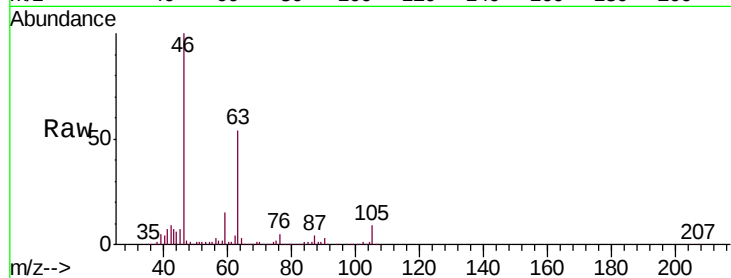




#48
 2-Hexanone
 Concen: 2.201 ug/L
 RT: 8.68 min Scan# 2282
 Delta R.T. -0.05 min
 Lab File: VU035856.D
 Acq: 26 Nov 2019 14:27

Instrument :
 MSVOA_U
 ClientSampled :
 GARF6

Tgt Ion: 43 Resp: 29838
 Ion Ratio Lower Upper
 43 100
 58 34.1 39.8 59.8#
 57 37.4 14.0 21.0#
 100 3.0 7.2 10.8#



#59
 1,2,3-Trichloropropane
 Concen: 0.688 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035856.D
 Acq: 26 Nov 2019 14:27

Tgt Ion: 75 Resp: 13424
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.4 38.2

